

VHF 220Mhz Project
MT. WASHINGTON TOWER
SCOPE OF WORK

Contractor is to climb tower using and adhering to all safety standards while work is preformed!

- Install wave guide ladder up tower.
- Install and secure 1 5/8 helliflex cable going from substation up tower.
- Install N type connectors on both ends of cable.
- Install and secure 220Mhz antenna.
- Install and secure jumper from antenna to helliflex.
- Sweep antenna and make sure it's within operating frequency.
- Supply Duquesne Light with a hard copy of Sweep.
- Duquesne Light Telecom Techs are to assist Contractor.
- Duquesne Light Telecom Techs are also to sweep Antenna and
Supply the engineer with a hard copy of their sweep.
- Duquesne Light Telecom Techs are to install new 220Mhz Radio,
making all power, antenna and fiber connections.
- Duquesne Light Telecom Techs are to bring old VHF base radio to
Woods Run.

Lee W. Pillar

Communications Engineer/ supervisor

PURCHASE ORDER

FORM

Duquesne Light Co

Bill To: Duquesne Light Company
Accounts Payable Dept. 7-6
411 7th Avenue, PO Box 1920
Pittsburgh, PA 15230-1920
United States

Ship To: Duquesne Light Company
New Manchester Storeroom
2515 Preble Avenue
Pittsburgh, PA 15233

ORDER

SARGENT ELECTRIC CO.
2801 LIBERTY AVENUE
do not use see 2767 liberty ave

PITTSBURGH, PA 15222-4794

PO No: 1000482 — *CTC 549*
Rev No: 000
Blanket No: 404296 / 0035
PO Date: 11/18/2010
Page: 1 of 1

Vendor No: 7819.7819

Contact: BRUCE A SISSON

Phone No: (412) 394-7597

Ship Via: SARGENT ELECTRIC

Due Date: 11/22/2010

Confirm: NO

F.O.B.:

Terms: NET 30

Instructions:

Vendor must acknowledge acceptance of this Blanket Contract / Purchase Order. Acknowledgement shall be signed, dated and returned in seven (7) days from issue date to DLCo Purchasing.

Signature _____ Date _____

Please show our purchase order number, approval route, item number, stock number and destination on all invoices, packages and papers pertaining to this order. Invoices are to show the identical unit as appears on the written order. When invoicing for transportation charges, always substantiate your charges by enclosing a prepaid carriers invoice.

DO NOT BILL PENNSYLVANIA STATE TAX. Direct Pay Permit #00131 issued to Duquesne Light Company constitutes authority for Payment of Sales and Use Taxes directly to the Department of Revenue.

Line	Stock Code	MSDS Required	Required Date	Unit Of Purchase	Quantity	Unit Price	Extended Price
001		R	11/22/10	LO	1	3,875.00	3,875.00

Vendor Part No:

Mfg Part No:

Mfg By:

Description: SARGENT ELECTRIC COMAPANY TO:
Remove 3 micro Wave Dishes and all Associated Hardware.
~~ML Washington Tower~~

Item Notes:

*Deliveries accepted 7:30 a.m. to 2:30 p.m.
Monday through Friday (except holidays)
Receiving Phone (412) 393-8803
For Directions call (412) 393-8741*

PURCHASING ADDRESS:
Duquesne Light Company
Purchasing Dept., NM-MS
2515 Preble Avenue
Pittsburgh, PA 15233

Subtotal: \$3,875.00
Local: \$0.00
State: \$0.00
Federal: \$0.00

PO Total: \$3,875.00

Buyer: PATRICIA E JORDAN
Phone No: (412) 393-8909 **Fax No:** (412) 393-8644
E-Mail Address: pjordan@duqlight.com

DUQUESNE LIGHT
VHF 220MHz PROJECT
MT. WASHINGTON TOWER

Please Quote On The Following

- 1 5/8 Heliax cable	AVA7-50A	160 FEET
- 20' WG Ladder	CL-0620-U	5
- 10' WG Ladder	CL-0610-U	1
- 1 5/8 Sureground	SG158-12B2U	4
- 1 5/8 N-Female Connector	AL7NF-PS	2
- 10PK 1 5/8 stackable hanger	WSSH-U158	4
- Weatherproofing kit	WK-U	6
- Hoist Grip	L7SGRIP	1
- Universal Angle Adapter	WS-AA-universal	3

Thank You
Lee W. Pillar
Communications Engineer

SENT OVER
FOR PO[#]
4-6-10
ORDERED
4-6-10

Telworx Communications LLC
239 Welcome Center Blvd.
Lexington, NC 27295
Phone: 1-866-835-9679



1/1

DLC000061

Date: March 23, 2010

Attn: LEE PILLAR
Company: DUQUENSE

immediate results

From: Lisa Miller
Inside Sales Manager
TelWorx Communications, LLC
Phone: 866-835-9679 x 233
Fax: 336-956-1453

HoP

Line#	Part Number	Description	Qty	Price	Unit Of Measure	Line Total	Lead Time
1	AND-AVA7-50	1-5/8" FOAM HELIAX 50 OHM COAX CABLE	160	\$ 5.51	FOOT	\$ 881.60	5-7 DAYS
2	MTS-CL-0620-U	20"Wx20"L UNIVERSAL CABLE LADDER	5	\$ 151.59	EACH	\$ 757.95	5-7 DAYS
3	MTS-CL-0610-U	20"Wx10"L UNIVERSAL CABLE LADDER	1	\$ 82.35	EACH	\$ 82.35	5-7 DAYS
4	AND-SG158-12B2U	1-5/8" CORR/SMTHWLL COAX SNAP-ON GRND KIT 4'	4	\$ 18.68	EACH	\$ 74.72	5-7 DAYS
5	AND-AL7NF-PSA	N, (F), STRAIGHT, AL7-50 RING FLARE, CAPTIVATED	2	\$ 85.26	EACH	\$ 170.52	5-7 DAYS
6	AND-SSH-158	STACKABLE SNAP-IN HANGER KIT, MUST ORDER IN PACKS OF 10	4	\$ 18.79	PER PACK OF 10	\$ 75.16	5-7 DAYS
7	WK-U	WEATHERPROOFING KIT	6	\$ 12.76	EACH	\$ 76.56	5-7 DAYS
8	AND-L7SGRIP	PRE-LACED HOISTING GRIP FOR 1-5/8" COAX	1	\$ 23.48	EACH	\$ 23.48	5-7 DAYS
9	AND-252130	ANGLE ADAPTER, HANGER TO 7/8" ANGLE MBRS, MUST ORDER IN PACKS OF 10	3	\$ 32.13	PER PACK OF 10	\$ 96.39	5-7 DAYS
Grand Total						\$ 2,238.73	

Taxes and freight charges are not included in this quote

Quote valid for 30 days or while supplies last.

After reviewing this quote, you may call with any questions to 866-835-9679 X233.

We appreciate the opportunity to be of service to you and your organization.

FOB Lexington, NC.

Cashier's/Certified checks (No Company Checks unless approved) for COD orders
VISA/MasterCard accepted or net 30 days if pre approved and American Express with 3% fee
On expedited orders, inbound and outbound shipping charges apply

Any transaction with TelWorx Communications, LLC implies acceptance of TelWorx Communications, LLC Terms and Conditions.



Everything needed to design, build, run, maintain or use wireless

QUOTATION

Prepared by: Jerry Bosse

DATE: 3/30/2010

800-472-8065 Ext: 1096 ☐ 410-527-0005 fax

mailto: bossej@tessco.com

Click on above image or visit us at: <http://www.TESSCO.com>

Price for the entire quote valid through the end of the month.

Quotation number: 2273399-031810
BILL TO: 2273399-0000

SHIP TO: 2273399-0000

Page: 1
Date: 03/30/10

Duquesne Light Company
411 Seventh Ave
Mail Drop 7-6
PO BOX 1920
Pittsburgh, PA 15230-1920

Duquesne Light Company
2839 New Beaver Ave
Bldg 2
Pittsburgh, PA 15233

Telephone: 412-393-6153
Name: Paul Garlicki
RFQ #: /220MRZ

US Dollars

SKU #	Unit of measure	Description	Buyer's guide page no.	Manufacturer part number	Tax	Order qty	Unit price	Extended price
499537	1 FT	1-5/8" AVA7-50 Heliax	434	AVA7-50	Y	160	8.60	1,376.00
74644	1 EA	60" NO deposit reel	423	REEL 60	Y	1	0.00	0.00
414440	1 EA	Cable Handling/Cutting		CABLE CUT	Y	1	0.00	0.00
310248	1 EA	6 Hole 20' Univ WG Ladder	569	CL-0620-U	Y	5	132.99	664.95
360863	1 EA	6 Hole 10' Univ WG Ladder	569	CL-0610-U	Y	1	71.53	71.53
325769	1 EA	SureGround 1-5/8" 48"		SG158-12B20	Y	4	19.93	79.72
375726	1 EA	N/F PS for VXL7, AVA7, LD		AL7NF-PSA	Y	2	110.42	220.84
439849	10 PK	1-5/8" Stackable Hanger	536	WSSH-U158	Y	4	19.99	79.96
371673	2 PL	WR-S Silicone Tape	543	WR-S-2	Y	6	19.37	116.22
430146	1 EA	Hoist Grip 1 5/8"/EW52/63	542	L7SGRIP	Y	1	25.05	25.05
465498	10 PK	Universal Angle Adapter	544	WS-AA-UNIVERSAL	Y	3	31.72	93.16

Ship via: 5 Day Estimated weight: 1063 lbs
Terms: N 30 INVOICE DATE
Based on Pricing level at time of request.
To confirm price and availability, build a
Worksheet on www.tessco.com <<http://www.tessco.com>>
for your current, everyday lowest total cost.

Destination & handling: 193.95
PA Sales tax: 0.00
Total: 2,926.38

DLC000062



Everything needed to design, build, run, maintain or use wireless

QUOTATION

Prepared by: Jerry Bosse

DATE: 3/30/2010

800-472-8065 Ext: 1096 ☐ 410-527-0005 fax

mailto: bossej@tessco.com

Click on above image or visit us at: www.tessco.com

Price for the entire quote valid through the end of the month.

Quotation number: 2273399-033010
BILL TO: 2273399-0000

SHIP TO: 2273399-0000

Page: 1
Date: 03/30/10

Duquesne Light Company
411 Seventh Ave
Mail Drop 7-6
PO BOX 1920
Pittsburgh, PA 15230-1920

Duquesne Light Company
2639 New Beaver Ave
Bldg 2
Pittsburgh, PA 15233

Telephone: 412-393-6153
Name: Paul Garlicki
RFQ #: /220RFS

US Dollars

SKU #	Unit of measure	Description	Buyer's guide page no.	Manufacturer part number	Tax	Order qty	Unit price	Extended price
360414	1 FT	1-5/8" A series premium a	433	810920-701	Y	160	4.35	696.00
74644	1 EA	60" NO deposit reel	423	REEL 60	Y	1	0.00	0.00
414440	1 EA	Cable Handling/Cutting		CABLE CUT	Y	1	0.00	0.00
310248	1 EA	6 Hole 20' Univ WG Ladder	569	CL-0620-U	Y	5	132.99	664.95
360863	1 EA	6 Hole 10' Univ WG Ladder	569	CL-0610-U	Y	1	71.53	71.53
325769	1 EA	SureGround 1-5/8" 48"		SG158-12B2U	Y	4	19.93	79.72
303669	1 EA	OMNI FIT N/F LCF158-50		15576123	Y	2	95.39	190.78
439849	10 PK	1-5/8" Stackable Hanger	536	WSSH-0158	Y	4	19.99	79.96
371673	2 RL	WK-S Silicone Tape	543	WK-S-2	Y	6	19.37	116.22
430146	1 EA	Hoist Grip 1 5/8"/EW52/63	542	L7SGRIP	Y	1	25.05	25.05
465498	10 PK	Universal Angle Adapter	544	WS-AA-UNIVERSAL	Y	3	32.72	98.16

Ship via: 3 Day Estimated weight: 1043 lbs
Terms: N 30 INVOICE DATE
Based on Pricing level at time of request.
To confirm price and availability, build a
Worksheet on www.tessco.com <<http://www.tessco.com>>
for your current, everyday lowest total cost.

Destination & handling: 237.61
PA Sales tax: 0.00
Total: 2,259.99

DLC000063

TALLEY®

Talley Inc.
TALLEY - KANSAS CITY
19935 W 157TH STREET
OLATHE KS 66062

Phone: 800-949-7079

Fax: 913-390-5675

To: LEE PILLAR

Company: DUQUESNE LIGHT

Fax: AMILLS@TALLEYCOM.COM

From: ALLISON MILLS

Subject: QUOTE 755342

Memo:

TALLEY**QUOTATION**

Corporate Office:
12976 Sandoval Street
Santa Fe Springs, CA 90670
800.949.7079
Fax: 800.530.8821

Date : 03/23/2010
Quote # : 755342
Page : 1 OF 2
Prepared By : Allison Mills
E-Mail : amills@talleycom.com
Phone : 800-949-7079 Ext: 1703
Release :
Requested By: Lee Pillar

Customer PO: MT WASHINGTON TOWER

Authorized By: _____

Visit our online store at www.talleycom.com

Bill To: 128446
Duquesne Light

411 Seventh Avenue (6-3)

Pittsburgh, Pa 15219

Ship To: 128446-D
Duquesne Light

411 Seventh Avenue (6-3)

Pittsburgh, Pa 15219

Terms: To Be Announced

Frt Terms: Prepay & Bill
Ship Via: Best Method - Ground

Product/Description	QTY	Unit Price	U/M	Extended Price
ANDAVA7-50 1-5/8" Foam Heliac 50 Ohm Coax Cable	150	8.8800	FT	1,332.00
MTSCL-0620-U 20" W x 20' L Universal 6-Run Cable Ladder Kit w/ Hardware	5	149.6600	EA	748.30
MTSCL-0610-U 20" W x 10' L Universal 6-Run Cable Ladder Kit w/ Hardware	1	80.5000	EA	80.50
ANDSG158-12B2U 1-5/8" Corr/Smthwll Coax Snap- On Grnd Kit, 4' Lead, Unatch Lug	4	20.3700	EA	81.48
ANDAL7NF-PSA Conn, Positive Stop N-Female for 1-5/8" Foam Heliac	2	107.8000	EA	215.60
ANDSSH-158 Stackable Snap-In Hanger Kit for 1-5/8" Heliac Cable, 10/Pkg	4	23.9700	EA	95.88

Continued

Note: all quotes are FOB origin unless
otherwise specified. Freight charges
are determined at the time of shipping.
Quotations are valid for 30 days.

Tax Misc. Frt./Handling Total

Dallas • Kansas City • Los Angeles • Phoenix • Sacramento • Seattle

DLC000065

TALLEY**QUOTATION**

Corporate Office:
12976 Sandoval Street
Santa Fe Springs, CA 90670
800.949.7079
Fax: 800.530.8821

Date : 03/23/2010
Quote # : 755342
Page : 2 OF 2
Prepared By : Allison Mills
E-Mail : amills@talleycom.com
Phone : 800-949-7079 Ext: 1703
Release :
Requested By: Lee Pillar

Customer PO: MT WASHINGTON TOWER

Authorized By: _____

Visit our online store at www.talleycom.com

Bill To: 128446
Duquesne Light

411 Seventh Avenue (6-3)

Pittsburgh, Pa 15219

Ship To: 128446-D
Duquesne Light

411 Seventh Avenue (6-3)

Pittsburgh, Pa 15219

Terms: To Be Announced

Frts Terms: Prepay & Bill
Ship Via: Best Method - Ground

Product/Description	QTY	Unit Price	U/M	Extended Price
SRP221213 Connector/Splice Weatherproof Kit	6	10.0000	EA	60.00
SRPL7SGRIP 1-5/8" Hoist Grip	1	15.0000	EA	15.00
AND294571 Universal Angle Adapter Kit for Snap-in Hangers, 10/Pkg	3	27.0200	EA	81.06

Note: all quotes are FOB origin unless
otherwise specified. Freight charges
are determined at the time of shipping.
Quotations are valid for 30 days.

Tax	Misc.	Frts./Handling	Total
0.00	0.00	0.00	2,709.82

Dallas • Kansas City • Los Angeles • Phoenix • Sacramento • Seattle
DLC000066



Everything needed to design, build, run, maintain or use wireless

QUOTATION

Prepared by: Jerry Bosse

DATE: 3/18/2010

800-472-8065 Ext: 1096 ☐ 410-527-0005 fax

mailto: bossej@tessco.com

Click on above image or visit us at: <http://www.TESSCO.com>

Price for the entire quote valid through the end of the month.

Quotation number: 2273399-031810

BILL TO: 2273399-0000

SHIP TO: 2273399-0000

Page: 1

Date: 03/18/10

Duquesne Light Company

411 Seventh Ave

Mail Drop 7-6

PO BOX 1920

Pittsburgh, PA 15230-1920

Duquesne Light Company

2539 New Beaver Ave

Bldg 2

Pittsburgh, PA 15233

Telephone: 412-393-6153

Name: Paul Garlicki

RFQ #: /220MHZ

US Dollars

SKD #	Unit of measure	Description	Buyer's guide page no.	Manufacturer part number	Tax	Order qty	Unit price	Extended price
499537	1 FT	1-5/8" AVA7-50 Helix	434	AVA7-50	Y	160	8.60	1,376.00
74644	1 EA	60" NO deposit reel	423	REEL 60	Y	1	0.00	0.00
414440	1 EA	Cable Handling/Cutting		CABLE CUT	Y	1	0.00	0.00
310248	1 EA	6 Hole 20' Univ WG Ladder	569	CL-0620-U	Y	5	132.99	664.95
360863	1 EA	6 Hole 10' Univ WG Ladder	569	CL-0610-U	Y	1	71.53	71.53
325769	1 EA	SureGround 1-5/8" 48"		SG158-12B2U	Y	4	19.93	79.72
375728	1 EA	N/F PS for VXL7, AVA7, LD		AL7KF-PSA	Y	2	110.42	220.84
439849	10 PK	1-5/8" Stackable Hanger	536	WSSH-U158	Y	4	19.99	79.96
371673	2 RL	WK-S Silicone Tape	543	WK-S-2	Y	6	19.37	116.22
430146	1 EA	Hoist Grip 1 5/8"/EW52/63	542	L7SGRIP	Y	1	25.05	25.05
465498	10 PK	Universal Angle Adapter	544	WS-AA-UNIVERSAL	Y	3	32.72	98.16

Ship via: 5 Day Estimated weight: 1063 lbs

Terms: N 30 INVOICE DATE

Based on Pricing level at time of request.

To confirm price and availability, build a

Worksheet on www.tessco.com <<http://www.tessco.com>>

for your current, everyday lowest total cost.

Destination & handling:

193.95

PA Sales tax:

0.00

Total:

2,926.38



QUOTE

Date	Quote #
03/19/10	AAAQ5592

To: Duquesne Light
Lee Pillar

Phone: 412-393-8433
Fax:

lpillar@duqlight.com

From: Team Telecom
Michelle Hibbett
506-B National Blvd
Lexington, NC 27292
Phone: 888-305-4772
Fax: 336-236-9960

mhibbett@teamtelecom.net

Pricing Terms	Payment Terms	Rep	P.O. Number	FOB
***See Notes	NET 30	Michelle		Shipping Point

Ln #	Qty	Part Number	Description	UM	Unit Price	Ext Price	Lead Time
1	160	AVA7-50	Andrew 1-5/8" Foam Transmission Line Coaxial	ea	\$9.75	\$1,560.00	7-10 Days ARO
2	5	CL-0620-U	20"Wx20' L Universal Cable Ladder for Round	ea	\$155.00	\$775.00	7-10 Days ARO
3	1	CL-0610U	20"Wx10' L Universal Cable Ladder for Round	ea	\$84.00	\$84.00	7-10 Days ARO
4	4	SG158-12B2U	Andrew Surgeground w/ Weatherproofing Cable Grounding Kits	ea	\$23.00	\$92.00	7-10 Days ARO
5	2	AL7NF-PSA	Andrew N (F) Straight AL7-50 Ring Flare Captivated (Replaces AL7NF-PS)	ea	\$116.00	\$232.00	7-10 Days ARO
6	4	SSH-158	Andrew Stackable Snap-In Hangers 1-5/8" Cable Model Hanger	ea	\$27.00	\$108.00	7-10 Days ARO
7	6	252133	Andrew Weatherproofing Kit Universal Pkg Qty 1	ea	\$15.00	\$90.00	7-10 Days ARO
8	1	L7SGRIP	Andrew Pre-Laced LDF7-50A Cable Model Hoisting Grip	ea	\$29.00	\$29.00	7-10 Days ARO
9	3	252130	Andrew Angle Adapter Hanger to 7/8" Angle Mbrs Pkg 10	ea	\$33.00	\$99.00	7-10 Days ARO

SubTotal \$3,069.00
Sales Tax \$0.00

Total \$3,069.00

AUTOMATION-X

Please send payments to:
Automation-X Corporation
Attn: Accounts Receivable
620 S. Carlton
Farmington, NM 87401

Quote

Date Created 3/18/2010
Estimate # QT3561
PO#

Expires	Project
4/17/2010	
Paykey / User ID	WellSite Name
Shipment Detail	Ship Via
	UPS Ground

Bill To

Lee Pillar
Duquesne Light
2839 New Beaver Ave
Building 2
Pittsburgh PA 15233
United States

AX MISC SOL Item	160	1-5/8" AVA7-50 Heliac	9.83	Yes	1,572.80
AX MISC COM Item	5	6 hole 20' univ wg ladder	156.45	Yes	782.25
AX MISC COM Item	1	6 hole 10' univ wg ladder	84.15	Yes	84.15
AX MISC COM Item	4	sureground 1-5/8" 48"	23.45	Yes	93.80
AX MISC COM Item	2	n/f ps for vx17, ava7 ld	126.10	Yes	252.20
AX MISC COM Item	4	1-5/8" stackable hanger	23.51	Yes	94.04
Universal Weatherproofin g Kit	6	Universal Weatherproofing Kit; Each kit contains (6) rolls of 2-1/2" x 24" butyl tape, (2) rolls of 3/4" x 66" black electrical tape & (1) roll of 2" x 20' black electrical tape.	21.29	Yes	127.74
AX MISC COM Item	1	Hoist Grip 1 5/8"/EW52/63	29.47	Yes	29.47
AX MISC COM Item	3	Universal angle adapter	38.49	Yes	115.47

It's been a pleasure working with you!

Subtotal	3,151.92
Shipping Cost (UPS Ground)	0.00
Tax (TAX.PA 6%)	189.12
Total	\$3,341.04

Thank you for your business. To expedite your future orders contact us at 800.898.2899 to set up your own webstore at www.automation-x.com, or simply go online to view other special offers.

DLC000069

4-6-10
RELEASE
#316

VHF 220Mhz Project

NORTH TOWER

SCOPE OF WORK

Contractor is to climb tower using and adhering to all safety standards while work is preformed!

- Climb tower and change existing VHF antenna with 220Mhz spectrum Antenna.
- Sweep antenna and make sure it's within operating frequency.
- Supply Duquesne Light with a hard copy of Sweep.
- Duquesne Light Telecom Techs are to assist Contractor.
- Duquesne Light Telecom Techs are also to sweep Antenna and Supply the engineer with a hard copy of their sweep.
- Duquesne Light Telecom Techs are to install new 220Mhz Radio, making all power, antenna and fiber connections.
- Duquesne Light Telecom Techs are to bring old VHF base radio to Woods Run.

Lee W. Pillar

Communications Engineer/ supervisor



Sargent
Electric
Company

We Prize Safety.

2801 Liberty Avenue
Pittsburgh, PA 15222
(412) 391-0588

Thomas M. Novosel
412-394-7637 Direct Dial

February 25, 2010

Via Email: (LPillar@Duqlight.Com)

Mr. Lee Pillar
Duquesne Light Company
2101 Beaver Ave.
Pittsburgh, Pa. 15233

Subject: North Substation

Dear Lee:

Per your request to perform the work at the above referenced site we are pleased to submit a price of \$ 2,200.00

If you have any questions, please call me at 412-394-7637.

Regards,

Thomas M. Novosel
Wireless Program Manager

TMN: 02/25/10

DLC000071



Duquesne Light

Our Energy...Your Power™

PO Date

PO No.

Rev.

Page

28-FEB-10 4296-316

0 2 of 2

BLANKET RELEASE

SARGENT ELECTRIC CO.

Line	Item Number / Promised Description	Date	Qty	UOM	Unit Price	Extended Price
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Equipment Allowance Rates as per Vendor's proposal.

This Purchase Agreement shall be solely governed by the attached DLCo General Terms and Conditions Construction Services. All pre-printed terms and conditions contained on the reverse side of this Purchase Order shall not apply. Contractor's acknowledgment, commencement of performance, or any other conduct by Contractor indicating that this Purchase Agreement is in effect, shall constitute acceptance, by Contractor, of the above referenced terms and conditions, without exception. All additional or different terms provided by Contractor at anytime, including, but not limited to Contractor's proposal, acknowledgment, invoice or shipping papers is expressly rejected and shall not apply, without prior agreement and specifically incorporated by Company into this Purchase Agreement.

ANY PRODUCTS OR SERVICES PROVIDED UNDER ANY RESULTING PURCHASE AGREEMENT MAY BE SUBJECT TO SPECIFIC REQUIREMENTS RELATING TO THE YEAR 2000. PLEASE REFER TO THE ENCLOSED SUPPLEMENTAL TERMS AND CONDITIONS AND/OR THE ENCLOSED SPECIFICATION FOR ADDITIONAL DETAILS REGARDING THEIR REQUIREMENTS.

o SHIP TO: 06-APR-10

2,200.0000

Address at top of page

Lee Pillar, N2-DOC, x8433

Sargent Electric Co. to perform work at North SS as scoped by Lee Pillar and as quoted to Lee Pillar, February 25, 2010.

\$2,200.00

549.59.3971000.S.2118

Total:

2,200.00

DLC000072

**Duquesne Light**

Our Energy...Your Power™

BLANKET RELEASE

Duquesne Light Company
 Material Services / Purchasing NM-MS
 2515 Preble Avenue
 Pittsburgh, PA 15233-1009

PO Date	PO No.	Rev.	Page
28-FEB-10	404296-316	0	1 of 2

Ship To:
 See Below

Test Purchase Order

Supplier Address:
 SARGENT ELECTRIC CO.
 2801 LIBERTY AVENUE
 PITTSBURGH, PA 15222-4794

Send Invoices in Duplicate to:
 Duquesne Light Company
 Accounts Payable Dept. 7-6
 411 7th Avenue, PO Box 1920
 Pittsburgh, PA 15230-1920

Payment Terms
 NET 30

Carrier

FOB
 Destination/FA

Buyer GARLICKI, PAUL R
 Phone 4123938428
 Fax

Effective From: To:

Line	Item Number / Description	Promised Date	Qty	UOM	Unit Price	Extended Price
------	---------------------------	---------------	-----	-----	------------	----------------

Acknowledgment -
 1

Perform blanket Electrical Construction services as follows:

Furnish supervision, labor, tools, material and equipment to perform work including, but not limited to, erection of towers and poles for transmission/distribution lines, installation of static wires and associated equipment during the period January 24, 2000 through June 30, 2001 as requested by Richard J. Sikora, Manager of Major Projects.

Firm Compensation Rates in conjunction with Article I, of Exhibit B of Electrical Construction Specifications issued under RFQ 201591 are as follows:

Overhead @ 6.0% of Direct Straight Time Job Labor
 Profit @ 7.0% of Direct Straight Time Job Labor
 Small tools, etc @ 0.5% of Direct Straight Time Job Labor

Total of above 13.5 % of Direct Straight Time Job Labor
 Taxes & Insurance @ 24.0% of Direct Straight Time Line Worker
 Total Labor Burden @ 37.5%
 Handling of Mat'l & Equipment @ 5.0%
 Handling of Subcontracting @ 5.0%

Total:

Continued

DLC000073

OUTAGE REQUEST FORM

Items in this Box to be Completed by Requestor

Today's Date: 5/14/10 Requested By: Lee Pillar

Requestor's Phone # 393-8433

Station: WR976 NORTH TOWER

Equipment Requested and Work to Be Performed: REQUEST A COMMUNICATIONS OUTAGE TO UPGRADE VHF RADIO NETWORK WR976 ON CIRCUIT D23714

Requested Date: 5/20/10 Cleared by Time: 0800 Outage Length: 1 ☐ Hours ☒ Days

Mark an 'X' for all that apply

Outage will be: ☐ Continuous ☐ Excluding Weekends ☐ Daily
Can be returned to service in: ☐ 1 Hr. ☐ 4 Hrs. ☐ 8 Hrs. ☒ When completed

Email to OPS@Dartmouth.edu Fax# 412-393-5732

Steps Taken to Establish Clearance:

1 _____	2 _____
3 _____	4 _____
5 _____	6 _____
7 _____	8 _____
9 _____	10 _____

Customer Affected	Representative	Time Called	Time Approved	Remarks

Remarks:

PJM Notification and Approvals if needed

PJM Notified Date: _____ EDART # _____ Denied: _____
Reason for Denial: _____
Final Approval: _____ By: _____

DLC000074

OUTAGE REQUEST FORM

Items in this Box to be Completed by Requestor

Today's Date: 5/14/10 Requested By: Lee Pillar

Requestor's Phone # 393-8433

Station: WA356 NORTH TOWER

Equipment Requested and Work to Be Performed: REQUEST A COMMUNICATIONS OUTAGE TO UPGRADE VHF RADIO NETWORK WA356 IS A TIE BETWEEN D23704 & D23705

Requested Date: 5/20/10 Cleared by Time: 0800 Outage Length: 1 ☐ Hours ☒ Days

Mark an 'X' for all that apply

Outage will be: ☐ Continuous ☐ Excluding Weekends ☐ Daily
Can be returned to service in: ☐ 1 Hr. ☐ 4 Hrs. ☐ 8 Hrs. ☒ When completed

Email to O-5@FDQuilts.com Fax# 412-393-5732

Steps Taken to Establish Clearance:

- | | |
|---------|----------|
| 1 _____ | 2 _____ |
| 3 _____ | 4 _____ |
| 5 _____ | 6 _____ |
| 7 _____ | 8 _____ |
| 9 _____ | 10 _____ |

Customer Affected	Representative	Time Called	Time Approved	Remarks

Remarks:

PJM Notification and Approvals if needed

PJM Notified Date: _____ EDART # _____ Denied: _____
Reason for Denial: _____
Final Approval: _____ By: _____

✓
4-6-10
Release
318

VHF 220Mhz Project

SHIPPINGPORT TOWER

SCOPE OF WORK

Contractor is to climb tower using and adhering to all safety standards while work is preformed!

- Climb tower and change existing VHF antenna with 220Mhz spectrum Antenna.
- Sweep antenna and make sure it's within operating frequency.
- Supply Duquesne Light with a hard copy of Sweep.
- Duquesne Light Telecom Techs are to assist Contractor.
- Duquesne Light Telecom Techs are also to sweep Antenna and Supply the engineer with a hard copy of their sweep.
- Duquesne Light Telecom Techs are to install new 220Mhz Radio, making all power, antenna and fiber connections.
- Duquesne Light Telecom Techs are to bring old VHF base radio to Woods Run.

Lee W. Pillar

Communications Engineer/ supervisor



Sargent
Electric
Company

We Prize Safety.

2801 Liberty Avenue
Pittsburgh, PA 15222
(412) 391-0588

Thomas M. Novosel
412-394-7637 Direct Dial

February 25, 2010

Via Email: (LPillar@Duqlight.Com)

Mr. Lee Pillar
Duquesne Light Company
2101 Beaver Ave.
Pittsburgh, Pa. 15233

Subject: Shippingsport Substation

Dear Lee:

Per your request to perform the work at the above referenced site we are pleased to submit a price of \$ 3,875.00

If you have any questions, please call me at 412-394-7637.

Regards,

Thomas M. Novosel
Wireless Program Manager

TMN. 02/25/10

DLC000077

**Duquesne Light**

Our Energy...Your Power™

PO Date

PO No.

Rev.

Page

28-FEB-10 4296-318

0 2 of 2

BLANKET RELEASE

SARGENT ELECTRIC CO.

Line	Item Number / Promised Description	Date	Qty	UOM	Unit Price	Extended Price
------	---------------------------------------	------	-----	-----	------------	-------------------

Equipment Allowance Rates as per Vendor's proposal.

This Purchase Agreement shall be solely governed by the attached DLCo General Terms and Conditions Construction Services. All pre-printed terms and conditions contained on the reverse side of this Purchase Order shall not apply. Contractor's acknowledgment, commencement of performance, or any other conduct by Contractor indicating that this Purchase Agreement is in effect, shall constitute acceptance, by Contractor, of the above referenced terms and conditions, without exception. All additional or different terms provided by Contractor at anytime, including, but not limited to Contractor's proposal, acknowledgment, invoice or shipping papers is expressly rejected and shall not apply, without prior agreement and specifically incorporated by Company into this Purchase Agreement.

ANY PRODUCTS OR SERVICES PROVIDED UNDER ANY RESULTING PURCHASE AGREEMENT MAY BE SUBJECT TO SPECIFIC REQUIREMENTS RELATING TO THE YEAR 2000. PLEASE REFER TO THE ENCLOSED SUPPLEMENTAL TERMS AND CONDITIONS AND/OR THE ENCLOSED SPECIFICATION FOR ADDITIONAL DETAILS REGARDING THEIR REQUIREMENTS.

SHIP TO: 06-APR-10

3,875.0000

Address at top of page

Lee Pillar, N2-DOC, x8433

Sargent Electric Co. to perform work at Shippingport SS as scoped by Lee Pillar and as quoted to Lee Pillar, February 25, 2010.

\$3,875.00

549.59.3971000.S.2118

Total:

3,875.00

DLC000078

**Duquesne Light**

Our Energy...Your Power™

BLANKET RELEASE

Duquesne Light Company
Material Services / Purchasing NM-MS
2515 Preble Avenue
Pittsburgh, PA 15233-1009

Test Purchase Order

Supplier Address:
SARGENT ELECTRIC CO.
2801 LIBERTY AVENUE
PITTSBURGH, PA 15222-4794

PO Date	PO No.	Rev.	Page
28-FEB-10	404296-318	0	1 of 2

Ship To:
See Below

Send Invoices in Duplicate to:
Duquesne Light Company
Accounts Payable Dept. 7-6
411 7th Avenue, PO Box 1920
Pittsburgh, PA 15230-1920

Payment Terms
NET 30

Carrier

FOB
Destination/FA

Buyer GARLICKI, PAUL R
Phone 4123938428
Fax

Effective From: To:

Line	Item Number / Description	Promised Date	Qty	UOM	Unit Price	Extended Price
------	---------------------------	---------------	-----	-----	------------	----------------

Acknowledgment -

1.

Perform blanket Electrical Construction services as follows:

Furnish supervision, labor, tools, material and equipment to perform work including, but not limited to, erection of towers and poles for transmission/distribution lines, installation of static wires and associated equipment during the period January 24, 2000 through June 30, 2001 as requested by Richard J. Sikora, Manager of Major Projects.

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Total of above 13.5 % of Direct Straight Time Job Labor
Taxes & Insurance @ 24.0% of Direct Straight Time Line Worker
Total Labor Burden @ 37.5%
Handling of Mat'l & Equipment @ 5.0%
Handling of Subcontracting @ 5.0%

Total:

Continued

DLC000079

OUTAGE REQUEST FORM

Items in this Box to be Completed by Requestor

Today's Date: 7/30/10 Requested By: Lee W. Pillar Requestor's Phone # 393-8433

Station: SWA547 SHIPPINGPORT TOWER

Equipment Requested and Work to Be Performed: REQUEST A COMMUNICATIONS OUTAGE TO UPGRADE VHF RADIO NETWORK, SWA 547 N.O. Tie between Midland D23640 & Raccoon - Monaca Ckt. 22831

Requested Date: 8/02/10 Cleared by Time: 8:00 Outage Length: 1 ☐ Hours ☒ Days

Mark an 'X' for all that apply

Outage will be: ☒ Continuous ☐ Excluding Weekends ☐ Daily
Can be returned to service in: ☐ 1 Hr. ☐ 4 Hrs. ☐ 8 Hrs. ☒ When completed

Email to OCPS@Duglight.com Fax# 412-393-5732

Steps Taken to Establish Clearance:

- | | | | |
|---|-------|----|-------|
| 1 | _____ | 2 | _____ |
| 3 | _____ | 4 | _____ |
| 5 | _____ | 6 | _____ |
| 7 | _____ | 8 | _____ |
| 9 | _____ | 10 | _____ |

Customer Affected	Representative	Time Called	Time Approved	Remarks

Remarks:

PJM Notification and Approvals if needed

PJM Notified Date: _____ EDART # _____ Denied: _____
Reason for Denial: _____
Final Approval: _____ By: _____

DLC000080

DUQUESNE LIGHT CO.

Operations
Engineering Services
Protection Engineering

Date: August 20, 2009

CIRCUIT: N.O Tie between Midland D23640 & Raccoon – Monaca Ckt. 22831

LOCATION: Upland Street off Grove Road; Industry (P. #92938)

CO OPERATION NUMBER: SWA 547

CO FILE NUMBER:

SCADAMATE SWITCH SERIAL NUMBER : 08-20436

CONTROL CABINET SERIAL NUMBER : 5801-0170-001015

SCADA Communication Baud Rate, Port A	9600
SCADA Communication Baud Rate, Port B	9600
Half/full Duplex, Port A	Full
Half/full Duplex, Port B	Full
Connection Type, Port A	Direct
Connection Type, Port B	Direct
RTS Active Before Xmit Duration, Port A	19 msec.
RTS Active Following Xmit Duration, Port A	19 msec.
RTS Active Before Xmit Duration, Port B	19 msec.
RTS Active Following Xmit Duration, Port B	19 msec.
Output Block Point Select Timeout	10 sec.
Time Synchronization Request Interval	Disabled
VHF Modem IP Address	10.211.1.1/2100

REASONS:

1. The phase fault detection current level is approx. 160% of the maximum expected load (8000 kVA).
2. One (1) count to sectionalizer trip was chosen because this is a N.O. tie.

Settings made by R. Kirscht

Date 08-26-09

Settings verified by _____

Date _____

c: File

P. L. Niehaus

RAS
Protection Engineer

OUTAGE REQUEST FORM

Items in this Box to be Completed by Requestor

Today's Date: 7/30/10 Requested By: Lee W. Pillar Requestor's Phone # 393-8433

Station: SWR 974 SHIPPINGPORT TOWER

Equipment Requested and Work to Be Performed: REQUEST A COMMUNICATIONS OUTAGE TO UPGRADE VHF RADIO NETWORK , SWR 974 Midland-Cooks Ferry Ckt. 22869

Requested Date: 8/02/10 Cleared by Time: 8:00 Outage Length: 1 ☐ Hours ☒ Days

Mark an 'X' for all that apply

Outage will be: ☒ Continuous ☐ Excluding Weekends ☐ Daily
Can be returned to service in: ☐ 1 Hr. ☐ 4 Hrs. ☐ 8 Hrs. ☒ When completed

Email to OCFS@Duqlight.com

Fax# 412-393-5732

Steps Taken to Establish Clearance:

1 _____	2 _____
3 _____	4 _____
5 _____	6 _____
7 _____	8 _____
9 _____	10 _____

Customer Affected	Representative	Time Called	Time Approved	Remarks

Remarks:

PJM Notification and Approvals if needed

PJM Notified Date: _____ EDART # _____ Denied: _____
Reason for Denial: _____
Final Approval: _____ By: _____

DLC000082